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or

(b) selecting the transformants which contain and express the gene encoding the H₂O₂ producing protein or the gene encoding a protein of interest, by a peroxidase-based colorimetric test;

(d) sorting according to phenotype and optionally carrying out a molecular analysis of the progeny of the transgenic plants, allowing the selection or the confirmation of transgenic plants obtained containing only the transgene and not the T-DNA specific to *A. rhizogenes*.

18. (new) The method according to claim 16, wherein the colorimetric test in step (b) is carried out on a liquid medium for incubation after removing the agrobacteria.